

Material Safety Data Sheet

Section 1. Product and Company Identification			
Product Name	LIME-A-WAY® TOILET BOWL CLEANER, THICK FORMULA (LIQUID)	MSDS#	Not available.
Product Description	Lime-A-Way® Lime, Calcium & Rust Toilet Bowl Cleaner in a thick formula and angle neck squeeze bottle for spraying into and under the rim for cleaning of toilet bowls.	Validation Da Print Date	1/18/2001
Manufacturer	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	In case of	Telephone: 800-228-4722
Product Identifier	Not available.	Emergency: Transportation	Chambra at 800, 404,0000
Item Number	368931	Emergencies:	Chemtrec: 800-424-9300
Formula Number	961607 (F/F 368931)		
UPC Number	51700-39700 (16 oz.), 51700-39705 & 51700-39715 (24 oz)		

Section 2. Composition and Information on Ingredients					
Name	CAS#	% by Weight	Exposure Limits : TLV/PEL		
1) HYDROCHLORIC ACID	7647-01-0	14.5	CEIL: 7.5 (mg/m³) from ACGIH (TLV) [USA] CEIL: 5 (ppm) from ACGIH (TLV) [United States] CEIL: 7.5 CEIL: 5 (ppm) from OSHA (PEL) [United States]		

Section 3. Hazards Identification			
Emergency Overview	POISON: MAY BE FATAL IF SWALLOWED. DANGER: Contains Hydrochloric Acid. CORROSIVE: Causes severe burns. Keep away from eyes, skin and clothing. VAPOR HARMFUL: Do not inhale or swallow. Use in well ventilated area. Wear protective eyewear and rubber gloves. Do not use with chlorine bleach, mildew removers or any other products, as toxic fumes may result. KEEP OUT OF REACH OF CHILDREN.		

Section 4. Firs	t Aid Measures
Eye Contact	In case of eye contact, IMMEDIATELY flush eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing eyes with water for at least 15 minutes. Get IMMEDIATE medical attention.
Skin Contact	In case of skin contact, IMMEDIATELY flush exposed area with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly with soap and water. Get IMMEDIATE medical attention if irritation persists.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	DO NOT induce vomiting. Drink a glass of water and call a physician or poison control center IMMEDIATELY.
	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire and Explosion Data			
Flammability	Not flammable. See Section 14 for any Shipping Classifications.		
Flash Point	CLOSED CUP: Higher than 93.3°C (>200°F). (Tagliabue.).		
Explosive Limits in Air	Not available.		
Products of Combustion	Not available.		
Fire and Explosion Hazards	Vapors may result from heating of product during a fire. Avoid inhalation of vapors and maintain a safe distance when using water spray. Wear full protective firefighting gear with eye and face protection.		
Fire Fighting Media and Instructions	Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire. Do not use water directly on the product.		
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a typical chemical fire.		

Section 6. Accidental Release Measures		
Accidental Spill	Wear rubber gloves, eye protection and protective clothing as necessary.	
	Small Spills: Clean up small spills and drips immediately with dry inert absorbent material and wash surface with water. Wipe Dry. Wrap absorbed material in plastic bag and dispose of as household waste.	
	Large Spills or uncontrolled releases of concentrated product in situations other than normal use (as directed): Spill should be contained, collected and evaluated for disposal according to local, state and federal hazardous waste regulations.	

Section 7. Handling and Storage		
Handling and Storage	POISON: MAY BE FATAL IF SWALLOWED. DANGER: Contains Hydrochloric Acid. CORROSIVE: Causes severe burns. DO NOT get in eyes, on skin or on clothing. VAPOR HARMFUL: Do not breathe or swallow vapor or fumes. Fumes are corrosive to metal. Do not use with chlorine bleach, mildew removers, or any other products, as toxic fumes may result.	
	Store securely closed in original container in a well ventilated area inaccessable to small children or pets. Do not reuse empty container. When empty, rinse thoroughly with water and recycle container or discard in the trash. KEEP OUT OF REACH OF CHILDREN.	

Section 8. Exposure Controls/Personal Protection			
Ventilation Requirements	For normal recommended cleaning, use only in well ventilated areas. Avoid prolonged breathing of vapor.		
	For occupational situations, use sufficient ventilation to keep hazardous ingredients below their Threshold Limit Values (see Section #2).		
Eye Protection	Wear eye and face protection (face shield).		
Skin Protection	Wear impermeable gloves.		
Respiratory Protection	None required for normal recommended use, avoid prolonged breathing of vapors. A self contained breathing apparatus (SCBA) should be used by emergency responders to avoid inhalation of the vapors which may be generated by this product during spill clean-up or fire situations.		
Other Protection	When handling in large quantities, large spill clean-up or responding to other emergency situations, the use of appropriate full body (acid suit) protection is recommended.		
Work/Hygienic Practices	Wash thoroughly with soap and water after handling. Remove and wash any contaminated clothing and clean shoes before reuse.		

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LIME-A-WAY® TOILET BOWL CLEANER	۲,
THICK FORMULA (LIQUID)	

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Description	Liquid. (Clear, bright green viscous liquid.)	Odor	Wintergreen.
рН	<1 [Acidic.]	Color	Bright green.
Boiling/Condensation Point	Not determined.		
Specific Gravity	1.07 (Water = 1)		
Vapor Pressure	Not determined.	·	
Vapor Density	Not determined.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	s Not available.		

Chemical Stability	The product is stable under normal conditions of handling.		
Conditions of Instability	Do not mix with anything but water. Reaction with water or steam creates heat and may produce corrosive and toxic fumes. Can react violently with alkaline materials or metals. Do not mix with chlorinated detergents or sanitizers, toxic fumes will result.		
Incompatibility with Various Substances	Do not mix with any other household products, especially chlorine bleach or mildew stain removers or any other chemical products. Fumes are toxic and corrosive to metal.		
Hazardous Decomposition Products	May evolve unknown amounts of hydrochloric acid fumes.		
Hazardous Polymerization	Will not occur.		

Section 11. Toxicological Information		
This product is severely corrosive. Contact could result in permanent eye injury, corneal necrosis and burns with permanent impairment or loss of vision. DO NOT get in eyes.		
Product is corrosive, produces severe irritation, inflammation, ulceration and chemical burns. DO NOT get on skin or on clothing.		
Vapors may be severely irritating to the respiratory tract. DO NOT breath vapors or fumes.		
May be fatal if swallowed. May cause severe burns to mouth, throat, esophagus and stomach.		
Not listed as carcinogenic by OSHA, NTP or IARC.		

Section 12. Ecological Information			
Ecotoxicity	Strong mineral acid content, dike and contain large spills to prevent runoff from entering wetlands, streams, creeks, rivers, ponds, lakes, or other bodies of water. May be hazardous to wildlife and fish.		

Section 13. Disposal Considerations

Waste Disposal

Dispose of in accordance with local, state, and federal regulations. Container disposal: Do not reuse empty container. Carefully rinse empty container and wrap in newspaper then discard in trash or rinse and recycle if appropriate.

Section 14. Transport Information ORM-D **DOT Classification Proper Shipping Name** Consumer Commodity. DOT Identification Number Not applicable. Packing Group Not applicable. Maritime Transportation Not available. Hazardous Substances Not available. Reportable Quantity Special Provisions for ORM-D: For US Domestic Shipments Only. Transport TDG Classification Consumer Commodity - Transborder Consignment. ADR Classification Not available. Hydrochloric Acid Solution, Class 8, UN 1789, II LTD. QTY, (16 oz. size or less ONLY). IMDG Classification DO NOT SHIP: Does not meet IATA requirements. **IATA Classification**

Section 15. Regulatory Information

Federal and State Regulations SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:

1) HYDROCHLORIC ACID

Not available.

14.5 Not

California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:

Not available.

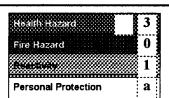
Other Classifications

WHMIS (Canada)

Not controlled under WHMIS (Canada).

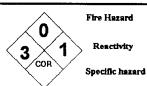
Section 16. Other Information

HMIS (U.S.A.)



National Fire Protection Association (U.S.A.)

Health



NFPA Aerosol Level

Not applicable.

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THICK FORMULA (LIQUID)		
Validated by Product Safety on 8/17/2000.	Printed 1/18/2001.	

Notice to Reader

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